

# Machine Specification Sheet EN 500x4



## EN 500x4

### Overview:

EN 500x4 is Single Arm Single Station Bi-Axial Rotational Moulding machine. It is efficient in manufacturing complete range of tanks from 300 ltr to 500 ltr capacity. It is very economical to use.

### Features:

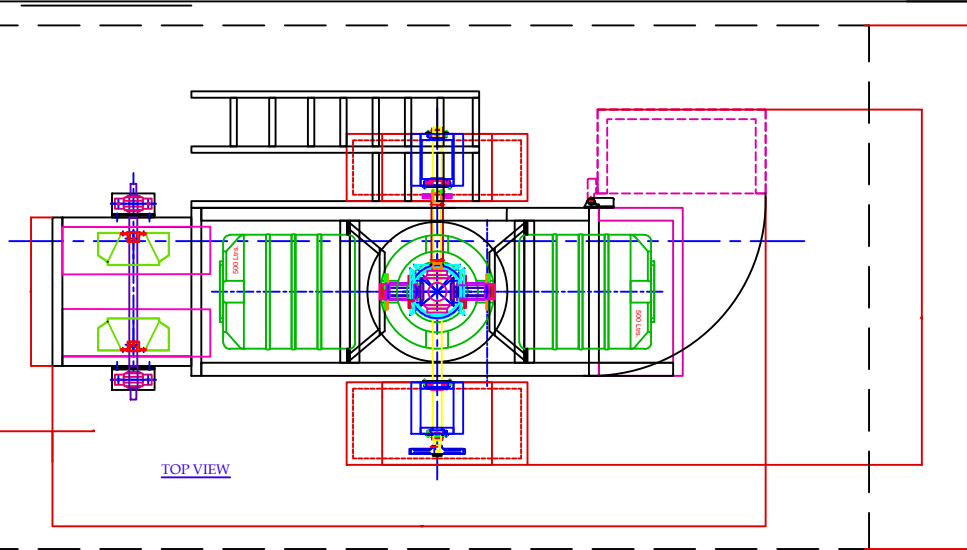
- Heavy-Duty Straight Arm ensuring the reliability.
- Makes 80 tanks of 500 Ltr in 24hrs or 80 tanks of 300 Ltr.
- Capable of making Multi-layer Tanks.
- Very Suitable to make good quality foam tank.
- Suitable for all roto\_moulding articles other than water tank as well.
- Compact Design thus has a small footprint.
- Only two Semi-skilled persons required.
- Low electricity consumption
- Fuel Efficient.
- It comes with 1 year warranty on all mechanical components.
- Plain and level ground is sufficient for installation of machine.
- Optional PLC Control Available.

SPECIFICATION	
Machine	
<b>Machine Size</b>	Length: 6 mtr
	Width: 3.5 mtr
	Height: 4 mtr
<b>Minimum Shed Dimensions</b>	Height: 5 mtr
	Area: 1000 sq.ft.
<b>Cycle time</b>	Double layer : 60 Min.
	Triple layer : 65 Min.
<b>Production per Cycle</b>	500Ltr x 4; 300Ltr x 4
<b>Production per Day</b>	40,000 Liters
<b>Fuel Consumption:</b>	4 Ltr. per cycle
	3.3 Kg per cycle
<b>Max. Temperature</b>	250° C
<b>Total Connected Load</b>	6.5 HP

TECHNICAL SPECIFICATIONS	
Straight-Arm	
<b>Spindle</b>	1
<b>Maximum weight on arm</b>	5000 Kg
<b>Spider Diameter</b>	880 mm
<b>Major Axis Speed Range</b>	0-6 RPM
<b>Minor Axis Speed Range</b>	0-8 RPM
Furnace	
<b>Maximum Usage</b>	1,42,950 Kcal/hr
<b>Usage Normal</b>	59,567 Kcal/hr
<b>Maximum Temperature</b>	250 °C
<b>Circulating blower CFM</b>	5600 CFM
Electrical	
<b>Supply Voltage</b>	415V, 50 Hz 3 Phase & Neutral
<b>Circulating blower HP</b>	3 HP
<b>Major Axis Drive AC Motor HP</b>	2 HP
<b>Minor Axis Drive AC Motor HP</b>	1 HP
<b>Burner HP</b>	0.5 HP

**Vinodrai Engineers Pvt. Ltd,**

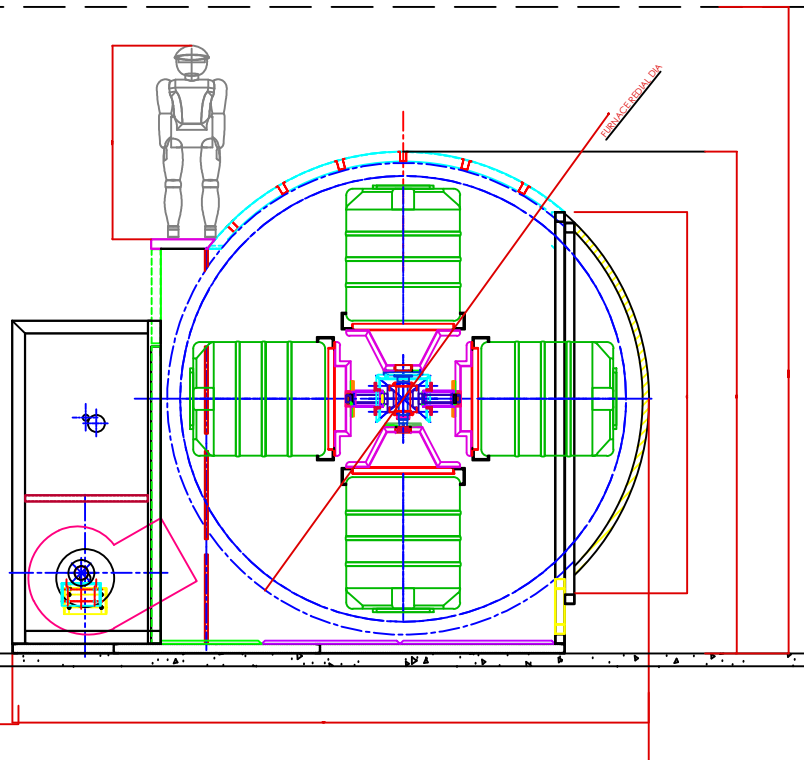
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Jalna – 431203, Maharashtra ( India ), Phone: +91 2482 262000 Mobile: +91-9049113377  
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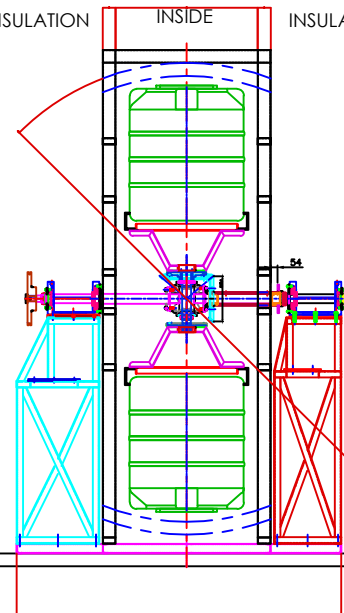
	LENGTH	WIDTH	HEIGHT
MACHINE OVERALL SIZE IN METER	6 Mtr	3 Mtr	4 Mtr
MACHINE OVERALL SIZE IN Feet	19.5 Feet	10 Feet	13 Feet
MACHINE PLANT MINIMAM REQUIRED SIZE IN METER	7 Mtr	4 Mtr	5 Mtr
MACHINE PLANT MINIMAM REQUIRED SIZE IN Feet	23 Feet	13.5 Feet	17 Feet

FURNACE INSULATION THIKNESS 100 MM  
 BLOWER FOR USE Ø550 DIA 2 IMPILLER

EN 500X4 MACHINE.



INSULATION INSIDE INSULATION



REMARK :-				TITLE :-
QTY :-				LAYOUT OF
R/M Size :-				EN 500X4 LTRS MACHINE
R/M Wet :-				DWG NO :-
Vinodrai Engineers Pvt. Ltd. 12.Km Stone Jatha -Aurangabad Road Dawalwadi Village Dist Jalna JALNA-431203 (M.S) E-MAIL:-vinodraieng@rediffmail.com Web:- www.vinodrai.com	DRAWN	SIGN	DATE	EN500X4 M/C LAYOUT
	CHKD		25.09.18	SHEET :-1 OF 2
	APPD			SCALE: 1:1
				ALL DIMENSION IN MM